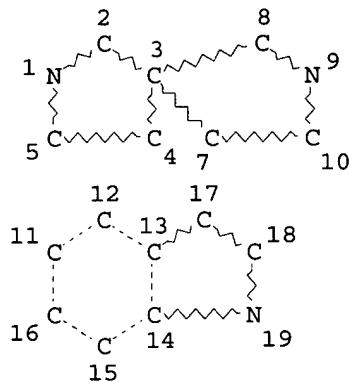


=> d 18
L8 HAS NO ANSWERS
L8 STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC 3 11
NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE

=> s 18 ful
FULL SEARCH INITIATED 16:51:02 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 327 TO ITERATE
100.0% PROCESSED . 327 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

L10 1 SEA SSS FUL L8

=> fil caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
FULL ESTIMATED COST ENTRY SESSION
300.38 300.80

FILE 'CAPLUS' ENTERED AT 16:51:07 ON 31 MAR 2003
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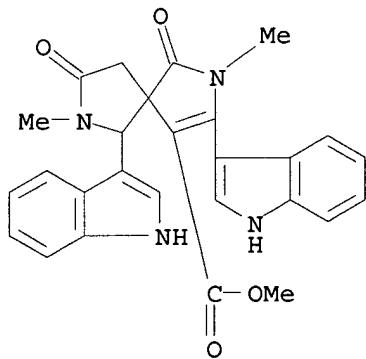
FILE COVERS 1907 - 31 Mar 2003 VOL 138 ISS 14
FILE LAST UPDATED: 30 Mar 2003 (20030330/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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L11 1 L10

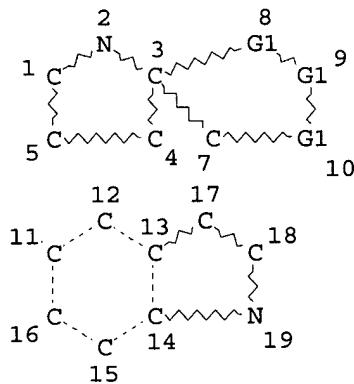
=> d bib abs hitstr

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
AN 2001:893118 CAPLUS
DN 136:278913
TI Heterocycles through domino reactions with trimethyl aconitate, a versatile synthetic building block
AU Witthaut, Daniel; Frohlich, Roland; Schafer, Hans J.
CS Organisch-chemisches Institut der Universitat, Munster, 48149, Germany
SO Angewandte Chemie, International Edition (2001), 40(22), 4212-4214
CODEN: ACIEF5; ISSN: 1433-7851
PB Wiley-VCH Verlag GmbH
DT Journal
LA English
AB Heterocyclic compds. were prep'd. from 1-propene-1,2,3-tricarboxylic acid tri-Me ester (tri-Me aconitate) and imines. Imines used in this study included N-(phenylmethylene)benzenemethanamine, N-(naphthalenylmethylene)benzenemethanamine, 2-[[[(phenylmethyl)imino]methyl]phenol, N-(phenylmethylene)-2-furanmethanamine, N-(phenylmethylene)methanamine and N-[(2-pyridinyl)methylene]methanamine. The domino reactions comprised an imine addn. and intramol. acylation. Crystal and mol. structures for many compds. thus prep'd. were detd.
IT 406219-55-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of heterocyclic compds. via domino reaction of 1-propene-1,2,3-tricarboxylate with imines)
RN 406219-55-4 CAPLUS
CN 2,7-Diazaspiro[4.4]non-3-ene-4-carboxylic acid, 3,6-di-1H-indol-3-yl-2,7-dimethyl-1,8-dioxo-, methyl ester (9CI) (CA INDEX NAME)



RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 112
L12 HAS NO ANSWERS
L12 STR



VAR G1=C/N
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC 3 11
NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE

=> s 112 ful
FULL SEARCH INITIATED 16:52:45 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 23158 TO ITERATE

100.0% PROCESSED 23158 ITERATIONS 75 ANSWERS
SEARCH TIME: 00.00.01

L14 75 SEA SSS FUL L12

	SINCE FILE ENTRY	TOTAL SESSION
COST IN U.S. DOLLARS		
FULL ESTIMATED COST	148.55	454.30
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.65

FILE 'CPLUS' ENTERED AT 16:52:50 ON 31 MAR 2003
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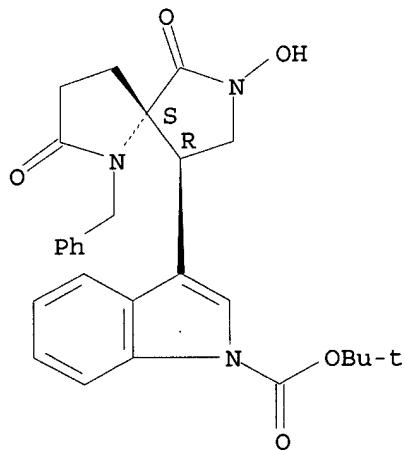
FILE COVERS 1907 - 31 Mar 2003 VOL 138 ISS 14
FILE LAST UPDATED: 30 Mar 2003 (20030330/ED)

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> S 114
L15 S2 L14

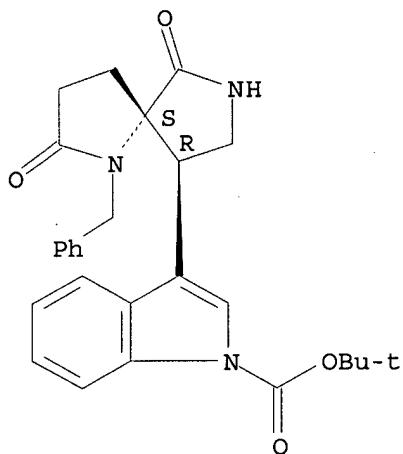
AN 2002:456531 CAPLUS
 DN 137:279446
 TI Chemoselective Michael reactions on pyroglutamates. Expeditious synthesis
 of spiro-bis-.gamma.-lactams as .beta.-turn peptidomimetics
 AU Brana, Miguel F.; Garranzo, Maria; de Pascual-Teresa, Beatriz;
 Perez-Castells, Javier; Torres, Maria Rosario
 CS Departamento de Quimica Organica y Farmaceutica, Facultad de CC,
 Experimentales y de la Salud, Urb. Monteprincipe, Boadilla del Monte,
 Universidad San Pablo-CEU, Boadilla del Monte, Madrid, 28668, Spain
 SO Tetrahedron (2002), 58(24), 4825-4836
 CODEN: TETRAB; ISSN: 0040-4020
 PB Elsevier Science Ltd.
 DT Journal
 LA English
 AB Starting from pyroglutamic acid, the synthesis of spiro-bis-.gamma.-lactams, using as key step a chemoselective Michael reaction of pyroglutamates is reported. Thus, the reaction of N-BOC-L-Me pyroglutamate (BOC = tert-butoxycarbonyl) with LiHMDS gives the enolates at C4 which react with several Michael acceptors. On the other hand, N-benzyl-L-Me pyroglutamate reacts under the same conditions, to give the ester enolate which reacts with Michael acceptors leading to quaternized derivs. The synthesis of the bicyclic spirolactams results from a redn. of the nitro group present in these derivs. which directly gives the spiro compds. These final compds. may act as .beta.-turn mimetics, as they have torsion angles which are in the range of .beta.-turns of type II and II'.
 IT 464201-05-6P 464201-09-0P 464201-17-0P
 464201-21-6P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (synthesis of bicyclic spirolactams as .beta.-turn peptidomimetics via chemoselective Michael reaction of pyroglutamates)
 RN 464201-05-6 CAPLUS
 CN 1H-Indole-1-carboxylic acid, 3-[(5R,9S)-7-hydroxy-2,6-dioxo-1-(phenylmethyl)-1,7-diazaspiro[4.4]non-9-yl]-, 1,1-dimethylethyl ester,
 rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 464201-09-0 CAPLUS
 CN 1H-Indole-1-carboxylic acid, 3-[(5R,9S)-2,6-dioxo-1-(phenylmethyl)-1,7-diazaspiro[4.4]non-9-yl]-, 1,1-dimethylethyl ester, rel- (9CI) (CA INDEX NAME)

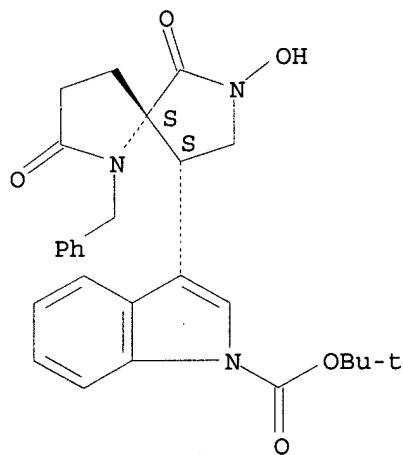
Relative stereochemistry.



RN 464201-17-0 CAPLUS

CN 1H-Indole-1-carboxylic acid, 3-[(5R,9R)-7-hydroxy-2,6-dioxo-1-(phenylmethyl)-1,7-diazaspiro[4.4]non-9-yl]-, 1,1-dimethylethyl ester, rel- (9CI) (CA INDEX NAME)

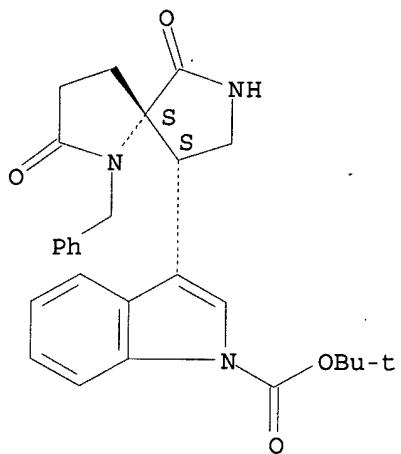
Relative stereochemistry.



RN 464201-21-6 CAPLUS

CN 1H-Indole-1-carboxylic acid, 3-[(5R,9R)-2,6-dioxo-1-(phenylmethyl)-1,7-diazaspiro[4.4]non-9-yl]-, 1,1-dimethylethyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RE.CNT 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT